

Name: \_\_\_\_\_

## Arithmetic Operations with Integers

Evaluate the expression when  $a = -8$ ,  $b = 4$ , and  $c = -5$ .

1)  $a + b + c$

2)  $-15 + b + c$

3)  $8 + a + (-4) + c$

Find the difference.

4)  $8 - 9$

5)  $1 - (-8)$

6)  $-10 - 6$

7)  $-20 - 4$

8)  $2 - (-37)$

9)  $-1 - (-53)$

10)  $-5 - (-17)$

11)  $-39 - 32$

12)  $0 - 15$

13)  $79 - (-98)$

14)  $24 - 41$

15)  $-86 - (-34)$

Evaluate the expression when  $a = 4$ ,  $b = 2$ , and  $c = 16$ .

16)  $17 - m$

17)  $4 - m$

18)  $m - 7$

19)  $-16 - m$

20)  $m - 19$

21)  $m - 3 - 10$

22)  $20 - m - 5$

23)  $14 - 30 - m$

24) The most extreme temperature change in Canadian history occurred when the temperature in Pincher Creek, Alberta, rose from  $-19^{\circ}\text{C}$  to  $22^{\circ}\text{C}$  in one hour. Find the change in temperature.

Find the change in temperature or elevation.

25) From  $-15^{\circ}\text{C}$  to  $10^{\circ}\text{C}$

26) From  $-5^{\circ}\text{F}$  to  $-13^{\circ}\text{F}$

27) From  $-120$  feet to  $-90$  feet

28) From 30 meters to  $-70$  meters